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(54) DISINFECTANT CONTAINING CATECHINS BLENDED THEREIN

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an odorless and safe disinfectant, containing specific compounds prepared by purification from an extract solution of tea leaves such as green tea or black tea as an active ingredient, having disinfecting and sterilizing effects on fungi, spore bearing bacteria, viruses, etc., and nontoxic to humans and animals.

SOLUTION: This composition contains catechins as an active ingredient or is obtained by blending the catechins in a disinfectant consisting essentially of alcohols. The blending ratio of the catechins is 100-1,000ppm. The catechins are obtained by removing caffeine and pigments in, e.g. green tea leaves of medium quality with chloroform, then extracting a portion soluble in ethyl acetate, subsequently freeze-drying the resultant extract to obtain crude catechins and then fractionating and purifying the crude catechins by a means such as high-performance liquid chromatography. This disinfectant manifests effects on methicillin-resistant Staphylococcus aureus that is a causative bacterium of nosocomial infection, influenza viruses causing influenza, rotaviruses causing infantile diarrheal symptoms, polioviruses causing paralysis, coxsackieviruses, etc. causing rash, etc.

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